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[19]

Huebner et al.

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[54] **WALL SYSTEM EMPLOYING GROOVED POSTS, CONNECTOR BLOCKS AND T-BOLT RECEIVING BATTENS**

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[58] **Field of Search** **52/775, 772, 282.2, 52/282.1, 731.9, 731.5, 281, 770, 771, 204.62, 204.67, 204.68, 204.7, 36.1, 36.2, 36.4, 36.5, 36.6**

[56] **References Cited**

U.S. PATENT DOCUMENTS

3,057,444	10/1962	Walberg	.....	52/775 X
3,513,606	5/1970	Jones	.....	52/282.2 X
3,566,561	3/1971	Tozer	.....	52/282.1 X
4,270,332	6/1981	Montrouil	.....	52/772
4,625,483	12/1986	Zacky et al.	.....	52/282.2 X
4,984,400	1/1991	Bockmiller	52/775 X
5,307,600	5/1994	Simon, Jr. et al.	52/264 X
5,414,967	5/1995	Cates et al.	52/281

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[57] **ABSTRACT**

A post and batten assembly for a wall panel system, the elongated post having a plurality of sides, at least one of which has an elongated groove and a pair of outer shoulders astraddle the groove, an elongated batten having a central body positioned in the elongated groove of and attached to the post, and the batten having a pair of flanges extending opposite each other and engaging the outer shoulders of the post, the batten central body having an outer face, and defining an elongated cavity open at the outer face, and the cavity having a pair of inner shoulders so that the cavity and inner shoulders define a T-slot in the batten to receive a T-bolt fastener. Fasteners connect the elongated batten to the post. Flanges of a pair of batten extend beyond the post parallel to each other to define a panel-receiving pocket therebetween. A connector block is attached to the post, and a second post is oriented orthogonally to the first post and has an end attached to the connector block so as to be indirectly connected to the first post in a T-pattern. The connector block is within one of the receiving pockets between a pair of said batten flanges. A panel has an edge within the panel-receiving pocket. If the panel in the pocket is a thin panel, it engages only one flange of the pocket, and a spacer clip engages the panel and the second flange of the pocket, or the spacer clip engages two thin panels.

24 Claims, 9 Drawing Sheets

